

APPLICANT(S): SHAHAR, Arie et al.  
SERIAL NO.: 10/813,108  
FILED: March 31, 2004  
ASSIGNEE: Prima Luci Inc.  
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### **REMARKS**

The present Amendment is intended to be fully responsive to all points of objection and/or rejection raised by the Examiner and is believed to place the application in condition for allowance. Favorable reconsideration and allowance of the application are respectfully requested.

Applicants assert that the present invention is new, non-obvious and useful. Prompt reconsideration and allowance of the claims are respectfully requested.

### **Status of Claims**

Claims 6-18 are allowed. Claims 1-5 and claims 19-24 are cancelled. Claims 6, 9 and 14 are amended.

### **Formal Amendment of Allowed Claims**

Applicants would like to thank the Examiner for allowing claims 6-18.

Applicants have voluntarily amended claims 6, 9 and 14 to correct minor informalities. It will be appreciated that the amendments to the claims are editorial in nature, and do not add new matter to the application. Furthermore, it is respectfully submitted that the amendments do not narrow the scope of the claims and do not create prosecution history estoppel.

### **Remarks to Cancelled Claims**

Applicants have cancelled claims 1-5 and claims 19-24 without prejudice. In making this cancellation without prejudice, Applicants reserve all rights in these claims to file divisional and/or continuation patent applications.

### **Remarks to Claim Rejections**

#### ***Claim Rejections - 35 USC §102***

In the Office Action, the Examiner rejected claims 1-5, 19-22, and 24 under 35 U.S.C. §102 (b), as being anticipated by Tamil et al (US Patent 5,414,789). In particular, the Examiner alleged that Tamil describes an optical AND logic gate that fully meets Applicant's claimed limitations.

Applicants have cancelled claims 1-5, 19-22, and 24 without prejudice. Therefore, the

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Examiner's rejection to claims 1-5, 19-22, and 24 is now moot.

Accordingly, Applicants respectfully request that the rejection of claims 1-5, 19-22, and 24 under U.S.C. §102 (b) be withdrawn.

***Claim Rejections - 35 USC §103***

In the Office Action, the Examiner rejected claim 23 under 35 U.S.C. §103 (a), as being un-patentable over Tamil in view of Song (US Patent 6,647,163). In particular, the Examiner alleged that it would have been obvious for a person having ordinary skill in the art to modify the optical logic device of Tamil to include a semiconductor optical amplifier, which is taught by Song.

Applicants have cancelled claim 23 without prejudice. Therefore, the Examiner's rejection to claim 23 is now moot.

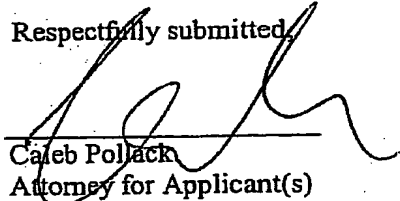
Accordingly, Applicants respectfully request that the rejection of claim 23 under U.S.C. §103 (a) be withdrawn.

**Conclusion**

In view of the preceding remarks, Applicants respectfully submit that all pending claims are now in condition for allowance. Favorable reconsideration and allowance of the claims are respectfully requested.

The fee for the one-month extension of time is being paid separately. No other fees associated with this paper are believed to be due. If any other fees are due, please charge such fees to deposit account No. 05-0649.

Respectfully submitted,

  
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